

The Exogenous Flora of Lincoln Co., Mississippi, from October to May.—The subjoined list, though very far from exhaustive, is believed to be correct. The times of flowering may represent the somewhat abnormal conditions of the present year. Coming here, the last of September, after the prolonged drought of '81, many plants which should have been flowering were scorched to the ground. The first rain brought out a second bloom of many spring flowers. *Rosacea* were especially thus represented. In December, roses, *Viola odorata*, and most of the garden bulbs, *Narcissi* and Hyacinths, were blooming. The exceptionally warm and rainy winter has given place to a spring which old residents pronounce three weeks earlier than usual.

Some geological considerations may also so effect the Flora as to make it not altogether what one would expect in the Pine Barrens. Throughout this sandy region, running between the Pearl river and the first tier of counties east of the Mississippi, until lost in the Yazoo Hills, is a belt of stiff, red clay, with occasional out-croppings of the "Buckshot" soil of north-eastern Mississippi.—*MARTHA B. FLINT, Shelbyville, Kentucky.*

OCTOBER AND NOVEMBER.

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| Ascyrum stans, Michx. | Chrysopsis graminifolia, Nutt. |
| var. obovatum. | gossypina, Nutt. |
| Crux-Andree, L. | villosa, Nutt. |
| pumilum, Michx. April. | Mariana, Nutt. |
| Hypericum Drummondii, T. & G. | Pluchea fetida, DC. |
| Desmodium humifusum, Beck. | Ambrosia trifida, L. |
| viridiflorum, Beck. | artemisiæfolia, L. |
| Lespedeza procumbens, Michx. | Xanthium strumarium, L. |
| repens, T. & G. | Rudbeckia laciniata, L. |
| angustifolia, Gr. | hirta, L. |
| Stylosanthes elatior, Swartz. | triloba, L. |
| Centrosema Virginianum, Benth. | Helianthus latiflorus, Pers. |
| Cassia occidentalis, L. | Bidens bipinnata, L. |
| Chamaecrista, L. | frondosa, L. |
| nictitans, L. | Helenium tenuifolium, Nutt. |
| var. asper. | Verbascum Thapsus, L. |
| Sida spinosa, L. | Blattaria, L. |
| Abutilon Avicennæ, Gaertn. | Conochea multifida, Benth. |
| Penthorum sedoides, L. | Gerardia purpurea, L. |
| Circea Lutetiana, L. | var. fasciculata, Chap. |
| Oenothera biennis, L. | Cichorium Intybus, L. |
| Diodia Virginica, L. | Lobelia glandulosa, Walt. |
| teres, Walt. | inflata, L. |
| Vernonia fasciculata, Michx. | puberula, Michx. |
| Eupatorium parviflorum, L. | Ruellia ciliosa, Pnrsch. |
| perfoliatum, L. | Verbena angustifolia, Michx. |
| serotinum, Michx. | Teucrium Canadense, L. |
| aromaticum, L. | Isanthus cœruleus, Michx. |
| Mikania scandens, L. | Pycnanthemum Tullia, Benth. |
| Conoclinium coelestium, L. | Hedeoma pulegioides, Pers. |
| Aster sericeus, Vent. | Leonurus Cardiaca, L. |
| concolor, L. | Leonotis repetaefolia, Br. |
| patens, Ait. | Heliotropium Indicum, B. & H. |
| tenuifolius, L. | Ipomœa Nil, Roth. |

adnatus, Nutt.	Jacquemontia tamnifolia, Griseb.
squarrosus, Walt.	Cuscuta compacta, Juss.
Erigeron Canadense, L.	Physalis angulata, L.
Diplopappus linariifolius, Hook.	Gentiana ochroleuca, Frœl.
Solidago virgata, L.	Asclepias incarnata, L., var. pulchra.
rigida, L.	Chenopodium Botrys, L.
elliptica, L.	ambrosioides, L.
tortifolia, Ell.	var. anthelminticum.
odora, Ait.	Amarantus paniculatus, L.
var. inodora.	retroflexus, L.
radula, Nutt.	Croton capitatus, Michx.
tenuifolia, Pursh.	Gelsemium sempervirens, Ait. (Feb.)

JANUARY.

Arabis Ludoviciana, Meyer.	pubera, Michx.
Capsella Bursa-pastoris, Moench.	Houstonia minima, Beck.
Lepidium Virginicum, L.	Osmanthus Americana, B. & H.
Stellaria media, Smith.	

FEBRUARY.

Ranunculus fascicularis, Muhl.	Prunus Caroliniana, Ait.
alismæfolius, Geyer.	Americana, Marshall.
repens, L.	Chicasa, Michx.
pusillus, Poir.	Amelanchier Canadensis, T. & G., var
abortivus, L.	[Botryapium.]
sceleratus, L.	Veronica serpyllifolia, L.
Cardamine rhomboidea, DC.	peregrina, L.
hirsuta, L.	arvensis, L.
var. sylvatica.	Plantago heterophylla, Nutt.
Viola lanceolata, L.	Houstonia cœrulea, L.
primulæfolia, L.	Cynthia Dandelion, DC.
cucullata, Ait.	Vaccinium tenellum, Ait.
var. cordata.	Salvia lyrata, L.
pedata, L.	var. obovata.
var. bicolor.	Brunella vulgaris, L.
Cerastium nutans, Raf.	Lamium amplexicaule, L.
Sagina decumbens, Gr.	Gelsemium sempervirens, Ait.
Oxalis violacea, L.	Dichondra repens, Forst.
stricta, L.	var. Carolinensis,
Acetosella, L. (rare)	[Choisy.]

MARCH.

Delphinium azureum, Michx.	Houstonia purpurea, L.
Liriodendron Tulipifera, L.	Erigeron Philadelphicum, L.
Podophyllum peltatum, L.	quercifolium, Lam.
Nasturtium officinale, L.	Coreopsis grandiflora, Nutt.
sessiliflorum, Nutt.	Gnaphalium purpureum, L.
Polygala nana, DC.	Antennaria plantaginifolia, Br.
Trifolium Carolinianum, Michx.	Senecio lobatus, Pers.
pratense, L.	aureus, L.
procumbens, L.	Cirsium horridulum, Michx.
Robinia Pseudacacia, L.	Krigia Virginica, Willd.
Wistaria frutescens, DC.	var. dichotoma.
Desmodium rigidum, DC. (?)	Caroliniana, Nutt.
Styrax grandiflora, Ait.	Bignonia capreolata, L.
Potentilla Canadensis, L.	Sonchus asper, Vill.
var. simplex.	oleraceus, L.
Fragaria Indica, L.	Gaylussacia dumosa, T. & G.
Virginiana, Ehrhart.	var. hirtella, Gr.
Rubus villosus, Ait.	Vaccinium arboreum, Marshall.
cuneifolius, Pursh.	stamineum, L.

	trivialis, Michx.	Rhododendron nudiflora, L.
Rosa laevigata, Michx.		Nepeta Glechoma, L.
	nitida, Willd.	Scutellaria parvula, Michx.
Crategus Pyracantha, Pers. (intro-		Phlox pilosa, L.
	[duced)	amena, Sims.
	apiifolia, Michx.	Melia Azderach, L. (introduced.)
	æstivalis, T. & G.	Chionanthus Virginica, L.
Pyrus angustifolia, Ait.		Asarum arifolium, Michx.
Itea Virginica, L.		Rumex crispus, L.
Liquidambar styraciflua, L.		Morus rubra, L.
(Euthera sinuata, L.		Quercus Phellos, L.
	var. humistrata, Gr.	virens, L. (rare.)
	linearis, Michx.	aquatica, Catesby.
Cornus florida, L.		falcata, Michx.
Nyssa multiflora, Wang.		nigra, L.
Lonicera sempervirens, Ait.		Fagus ferruginea, Ait.
	grata, Ait.	Ostrya Virginica, Willd.
Mitchella repens, L.		

* *Astragalus mollissimus*, Torr.—A short time ago, my friend, Dr. Isaac Ott of Easton, Penn., received from a stock breeder in Western Kansas, a wild plant, known there by the name of "loco," and said to produce injurious and often fatal effects upon cattle and horses who eat it, causing paralysis and other functional disturbances. Dr. O., who is a skillful investigator of poisons and their action upon animal and vegetable organisms, fully confirms the reports of the herdsmen as to the deleterious properties of this plant. At my request, he procured for me specimens with flowers and full-grown pods, and it proved to be *Astragalus mollissimus*, Torr. From the quantity sent, its vigorous growth so early in the season, its strong, deep roots and its numerous, short, thick stems, it is fair to infer that it is at home and abounds in that region.—THOS. C. PORTER.

Equisetum variegatum, Schleich.—Mrs. A. E. Bush, of San Jose, Cal., has sent me specimens of an *Equisetum*, collected at the hills near that city, April 22, which must be referred to the above species. The stalks are densely tufted, and the grooves of the stem vary from 5 to 10, but are commonly 6 or 7; one large stalk had 11. This species is not mentioned in the "Botany of California" and to my knowledge has not been reported from this state hitherto. It appears in Colorado (*Porter and Coulter*), and from Ill. to N. H., and northward.—LUCIEN M. UNDERWOOD, *Wesl. Univ., Bloomington, Ill.*

Early Fungi.—I have received to-day from Southern Illinois, through Mr. F. S. Earle, fresh specimens of the following fungi: *Urocystis pompholigodes*, Schl., on *Ranunculus fascicularis*; *Cystopus candidus*, (Pers.) on *Capsella Bursa-pastoris* and *Peronospora nicea*, Ung., on *Geranium Carolinianum*. They are well developed and in good condition for study, and Mr. Earle tells me the *Cystopus* has been so all winter.—A. B. SEYMOUR, *University of Illinois, Champaign.*